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Alliance Most Popular Variety Planted for 2003

Highlights

Alliance was the most popular winter wheat variety planted for the 2003 crop year in Nebraska for the third year in a row. It first appeared in the state in 1994 and has steadily increased in popularity. Pronghorn and 2137, battled for second place as Arapahoe dropped into fourth.

For the 2003 crop, Alliance accounted for 11.5 percent of the acreage. Pronghorn and 2137, tied for second place taking 10.3 percent of the acreage each. Arapahoe was fourth with 8.7 percent and Buckskin fifth with 7.3 percent.

District Highlights

The most popular wheat variety in the Northwest, where near half of Nebraska's wheat acres are grown, is 2137. Pronghorn was most popular in the Southwest and South and present in the Central and Southeast. Arapahoe topped the list in the Central and East while Karl was the most popular in the Southeast. Alliance's statewide first place showing, was due to its popularity in the Northwest and the Southwest. Buckskin was third most popular in the Northwest, keeping it fifth overall. Millennium's significant showing in the South Central helped it place sixth overall.

Hard White Winter Wheat

Hard white winter wheat varieties grew in use for 2003. The following table shows their estimated percent of total wheat acreage for 2000-2003 crops.

**Hard White Winter Wheat:
Percent of Planted Acreage, Nebraska, 2000-2003**

Variety	2000	2001	2002	2003
<i>Percent</i>				
All White Varieties	0.1	0.6	0.2	2.0

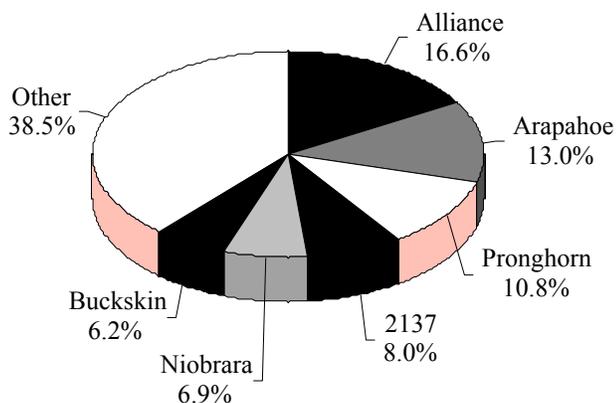
Funding

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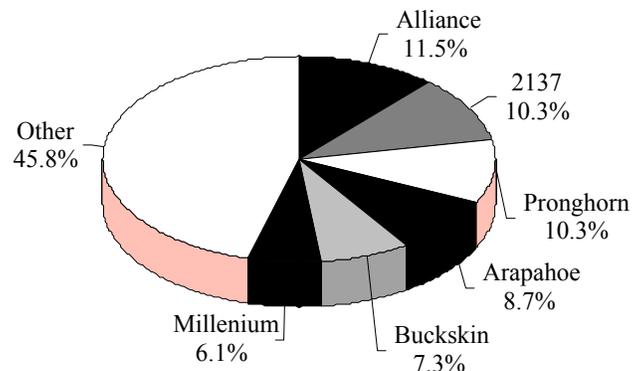
Data Source

This wheat variety data was provided by the voluntary reports of over one thousand Nebraska wheat producers who responded to the 2002 Fall Agricultural Report. The summary included reports representing seventeen percent of the state's total planted acreage estimate.

Top Wheat Varieties for 2002



Top Wheat Varieties for 2003



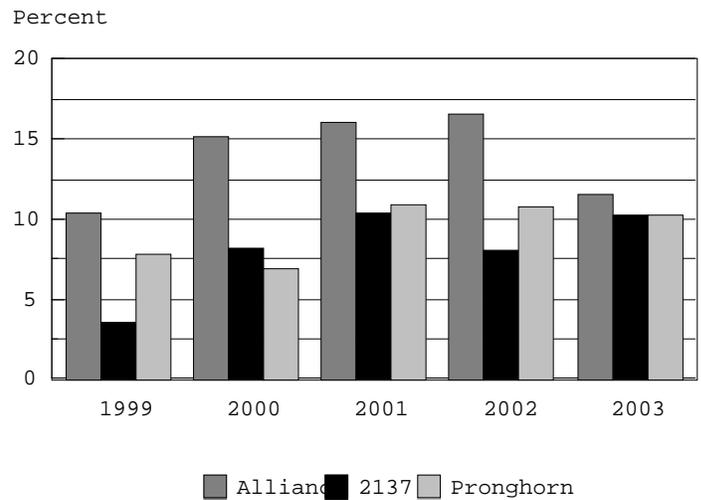
Variety Descriptions

The moderately short height and early maturing variety, **Alliance**, has fair to good winter hardiness, fair test weight, acceptable protein, and good milling/baking qualities. This variety was produced from a cross of Arkan, Colt, and Chisholm sister line by Nebraska and the USDA-ARS. It has shown above-normal tolerance for crown/root rot and is moderately resistant to stem rust.

Pronghorn is a tall variety of moderately early maturity with good tillering ability and moderately strong straw. It has good yield stability in the Nebraska panhandle and dryland production in adjacent states. Yield is comparable to Buckskin with superior stem rust resistance. It has a long coleoptile and good early spring regrowth along with good winter hardiness. The grain has very good test weight patterns and milling/baking qualities. It was developed by Nebraska and the USDA-ARS from the cross Centura/Dawn/Colt sib.

The variety **2137** is a semi-dwarf, hard red winter wheat. It has improved grain yield, test weight, flour yields and leaf rust resistance along with excellent straw strength. It has adequate winter hardiness, is moderately susceptible to wheat streak mosaic and is susceptible to stem rust. Milling and baking characteristics are acceptable with average protein levels. This variety was released by KSU and USDA-ARS.

Comparison of the Top 3 Wheat Varieties



Winter Wheat: Percent Planted to Each Variety
Nebraska, 1995-2003

Variety	1995	1996	1997	1998	1999	2000	2001	2002	2003
	<i>Percent</i>								
Alliance	¹	2.7	7.3	8.4	10.4	15.1	16.0	16.6	11.5
Pronghorn			¹	4.6	7.8	6.9	10.9	10.8	10.3
2137			¹	1.4	3.6	8.2	10.4	8.0	10.3
Arapahoe	33.6	31.6	30.1	28.3	25.0	19.8	13.4	13.0	8.7
Buckskin	4.0	5.8	6.0	6.5	5.0	2.9	4.7	6.2	7.3
Millennium							¹	3.5	6.1
Niobrara	¹	1.4	6.5	7.5	11.4	10.3	9.3	6.9	5.4
Jagger		¹	¹	¹	1.1	2.9	2.4	3.4	3.9
Karl/Karl 92	6.9	7.3	6.9	6.6	5.5	4.4	4.1	3.3	3.8
Ogallala (AgriPro)	²	2.2	1.5	1.6	1.2	1.4	2.2	1.5	3.6
Wesley						¹	1.1	2.2	3.6
Culver						¹	3.1	2.8	2.5
Thunderbolt (AgriPro)								²	2.0
Thunderbird (AgriPro)	7.8	5.9	5.7	3.5	3.9	2.8	1.9	²	1.8
Wahoo								¹	1.8
Centura	8.0	9.1	9.8	7.7	7.7	6.9	3.7	3.4	1.8
Abilene (AgriPro)	4.1	2.8	2.2	2.4	2.7	2.7	2.5	1.3	1.4
Siouxland								¹	1.4
Vista	4.6	3.6	4.6	3.9	2.1	2.7	1.7	3.1	1.2
Akron			¹	¹	1.6	1.5	¹	1.8	1.2
Scout 66	4.0	2.4	1.6	2.3	1.0	¹	¹	¹	1.1
Platte (Incl Clearfield)								²	1.0
Other Public ³	19.8	18.0	12.2	10.8	6.5	8.5	9.2	6.5	4.9
Other Private ³	7.2	7.2	5.6	4.5	3.5	3.0	3.4	5.7	3.4
	<i>Thousand Acres</i>								
Total Planted	2,150	2,300	2,000	1,900	1,900	1,750	1,750	1,650	1,700

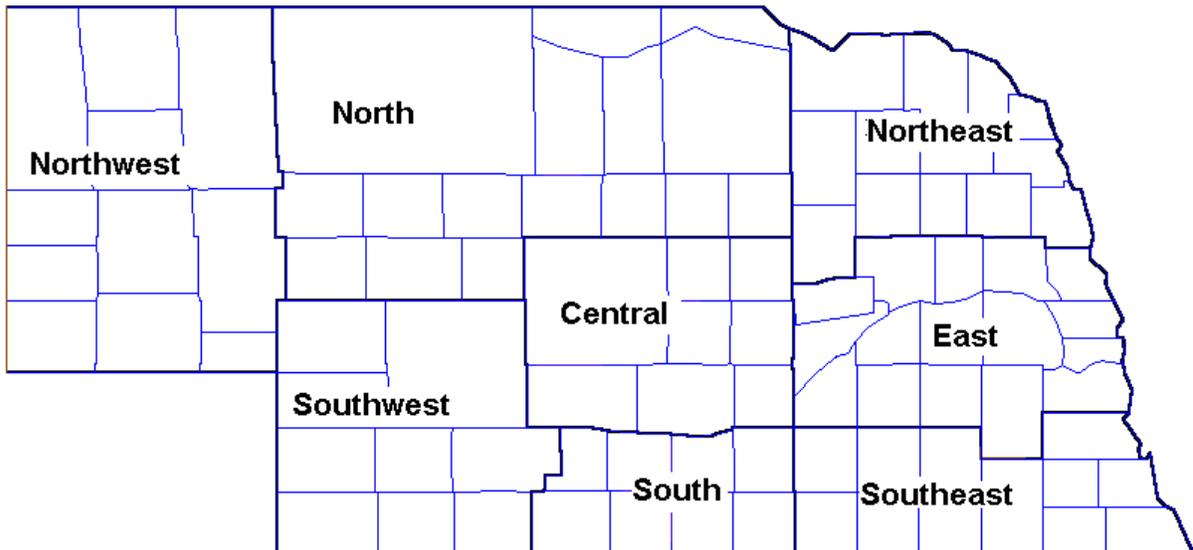
¹ Less than one percent included in Other Public. ² Less than one percent included in Other Private. ³ Includes varieties with less than one percent of 2003.

Winter Wheat: Percent Planted to Each Variety by District, Nebraska, 2003

Variety	Northwest	North	Northeast ¹	Central	East	Southwest	South	Southeast	State
	<i>Percent</i>								
Alliance	17.8	12.5			6.2	10.8	0.2		11.5
Pronghorn	19.8					4.9			10.3
2137	4.6			15.6	12.2	11.5	18.5	23.0	10.3
Arapahoe	7.6	26.6		23.9	26.7	10.1	7.3	4.7	8.7
Buckskin	16.7								7.3
Millennium	5.7	27.6		4.8	4.6	5.5	11.1	3.5	6.1
Niobrara	2.2			2.4		13.5	1.6		5.4
Jagger	1.5			1.6		6.7	6.6	3.3	3.9
Karl/Karl 92				3.4	7.7	0.7	7.4	27.5	3.8
Ogallala (AgriPro)	2.6	14.6		4.2	1.8	2.9	12.2	0.3	3.6
Wesley	1.1			3.7	10.1	2.4	4.2	17.0	3.6
Culver	0.6			8.6	2.0	4.2	4.7	2.1	2.5
Thunderbolt (AgriPro)	0.4	15.6		1.8		4.3	2.9		2.0
Thunderbird (AgriPro)	2.1			0.9	3.7	1.6	1.4	1.4	1.8
Wahoo				6.1	23.5	0.7	3.8	7.6	1.8
Centura	2.7			5.6		1.5		0.2	1.8
Abilene (AgriPro)	1.2			1.5		0.9	4.4	0.2	1.4
Siouxland	2.4			0.9	0.4	0.9			1.4
Vista	0.1					3.3	0.9		1.2
Akron	1.7			1.0		1.2		0.2	1.2
Scout 66	2.5			0.3					1.1
Platte (Incl Clearfield)	0.3					2.6	0.8		1.0
Other Public	4.5	3.1		9.2	0.4	5.7	5.7	4.3	4.9
Other Private	1.9			4.5	0.7	4.1	6.3	4.7	3.4
	<i>Thousand Acres</i>								
Total Planted ²	750	10	3	24	22	545	187	160	1,700

¹Insufficient data to establish level. ²Preliminary.

Nebraska Agricultural Statistics Districts



**Winter Wheat: Acres Planted to Each Variety
Nebraska, 1995-2003**

Variety	1995	1996	1997	1998	1999	2000	2001	2002 ⁴	2003
	<i>Thousand Acres</i>								
Alliance	¹	62	146	160	197	264	280	275	196
Pronghorn			¹	87	149	121	191	178	175
2137			¹	27	68	143	182	132	175
Arapahoe	722	726	602	538	474	346	234	215	148
Buckskin	86	134	120	123	94	51	82	103	125
Millennium							¹	57	104
Niobrara	¹	32	130	142	217	180	163	115	93
Jagger		¹	¹	¹	21	51	42	55	66
Karl/Karl 92	148	167	138	125	105	77	72	54	64
Ogallala (AgriPro)	²	49	30	30	23	25	38	25	62
Wesley						¹	19	36	61
Culver						¹	54	47	42
Thunderbolt (AgriPro)								²	34
Thunderbird (AgriPro)	168	135	114	67	75	49	35	²	31
Wahoo								¹	30
Centura	172	209	196	146	145	121	65	55	30
Siouxland								¹	24
Abilene (AgriPro)	88	64	44	46	52	47	44	21	23
Vista	99	84	92	74	41	47	30	51	20
Akron			¹	¹	30	26	¹	30	20
Scout 66	86	106	64	23	19	¹	¹	¹	19
Platte (Incl Clearfield)								²	17
Other Public ³	426	368	212	227	123	149	161	108	84
Other Private	155	164	112	85	67	53	58	93	57
Total Planted	2,150	2,300	2,000	1,900	1,900	1,750	1,750	1,650	1,700

¹ Less than one percent included in Other Public. ² Less than one percent included in Other Private. ³ Includes varieties with less than one percent of 2003. ⁴ Revised.

Note: Historical variety reports for earlier years can be found on the web at: www.nass.usda.gov/ne/variety.htm

We express our appreciation to the Nebraska Crop Improvement Association for variety descriptions and the UNL Agronomy Department for content review. For additional information on specific varieties, please contact the Nebraska Crop Improvement Association at (402)472-1444.